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RESEARCH ARTICLE

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Notulae to the Italian native vascular flora: 9

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Abstract

In this contribution, new data concerning the distribution of native vascular flora in Italy are presented. It includes new records, confirmations, exclusions, and status changes to the Italian administrative regions. Two new combinations are proposed. Nomenclatural and distribution updates, published elsewhere, and corrigenda are provided as Suppl. material 1.

Keywords

Endemic, Floristic data, Italy, Nomenclature

How to contribute

The text for the new records should be submitted electronically to Chiara Nepi (chiara.nepi@unifi.it). The corresponding specimen along with its scan or photograph have to be sent to FI Herbarium: Sezione di Botanica "Filippo Parlatore" del Museo di Storia Naturale, Via G. La Pira 4, 50121 Firenze (Italy). Those texts concerning nomenclatural novelties (typifications only for accepted names), status changes, exclusions, and confirmations should be submitted electronically to: Fabrizio Bartolucci (fabrizio.bartolucci@gmail.com). Each text should be within 1,000 characters (spaces included).

Floristic records

Alchemilla filicaulis Buser (Rosaceae)

+ **ABR**: Rocca S. Maria (Teramo), Fosso di Valle Castellana pascoli verso la testata del Fosso della Morricana (WGS84: 42.659739N; 13.409204E), suolo marnoso-arenaceo, 1780 m, 28 June 2008, leg. *G. Tondi*, *F. Minutillo*, det. *G. Tondi* (FI); Lucoli frazione di Casamaina (Aquila), Monte Ocre, loc. La Faina (WGS84: 42.256784N; 13.425853E), pascolo sassoso su suolo calcareo, 1900 m, 1 July 2015, leg. *G. Tondi*, *F. Minutillo*, *E. De Santis*, det. *G. Tondi* (*Herb. Tondi* Nos. 1174, 1181); Rivisondoli (Aquila), loc. via di Monte Pratello (WGS84: 41.863745N; 14.040567E), prato umido su suolo calcareo, 1240 m, 15 June 2019, leg. *G. Tondi*, *F. Minutillo*, det. *G. Tondi* (*Herb. Tondi* Nos. 1894, 1895, 1896); Villavallelonga (Aquila) loc. Prati d'Angro (WGS84: 41.492363N; 13.412422E), prato pascolo al margine di faggeta esposto prevalentemente a Nord, 1083 m, 14 July 2019, leg. *G. Buccomino*, det. *F. Festi* (FI). – Species confirmed for the flora of Abruzzo.

This species was recorded by Conti et al. (2008) based on an old specimen collected on Monte Corno and kept in NAP. The collected plants can be referred to *Alchemilla filicaulis* var. *vestita* (Buser) Buser ex H.J.Coste (Pignatti et al. 2017).

G. Tondi, F. Festi, G. Buccomino

Alyssoides utriculata (L.) Medik. subsp. *utriculata* (Brassicaceae)

+ **CAL**: Morano Calabro (Cosenza), Vallone del Rago (UTM WGS84: 39.880921N; 16.129481E), rupi calcaree esposte a SW, 925 m s.l.m., 8 August 2019, *L. Peruzzi* (PI026078); Morano Calabro (Cosenza), Vallone del Rago (WGS84: 39.879379N; 16.124443E), rupi calcare esposte a NE, 935 m s.l.m., 8 August 2019, *L. Peruzzi* (FI). – Species new for the flora of Calabria.

This Mediterranean species occurs all across the Italian peninsula, from the northwest to the south-east, but its range was, until now, known to end in Basilicata (Bartolucci et al. 2018), on the northern slopes of the Pollino Massif. The population of Vallone del Rago, consisting of hundreds of individuals scattered over an area of about 1 km, is found, on the contrary, on Pollino's southern slopes.

L. Peruzzi

Andrachne telephioides L. (Phyllanthaceae)

+ (CAS) **VEN**: Verona Porta Vescovo (Verona), incolto in via Porto San Michele (WGS84: 45.43509049N; 11.02568835E), alcuni esemplari in frutto in un piazzale di ditta dismessa, 56 m, no esp., 17 October 2019, *A. Bertolli* (FI, ROV No. 74207). – Casual regional alien species new for the flora of Veneto.

A. Bertolli

***Anisantha rubens* (L.) Nevski (Poaceae)**

+ (CAS) **LOM**: Milano (Milano), deposito ferroviario di Milano-San Rocco (c/o Stazione di Milano-Porta Garibaldi), binari abbandonati e massicciata ferroviaria all'estremo sudorientale (WGS84: tra 45.491230N; 9.172140E e 45.490830N; 9.174037E), binari abbandonati e massicciata ferroviaria, 125 m, no exp., 31 May 2018, *G. Galasso*, det. *G. Galasso*, *E. Banfi* (FI, MSNM). – Casual regional alien species new for the flora of Lombardia.

E. Banfi, G. Galasso, R. Gentili, C. Toffolo

***Avena clauda* Durieu (Poaceae)**

+ **PUG**: Santeramo (Bari), via per Matera (WGS84: 40.748895N; 16.702143E), fallow lands, 374 m, 17 May 2019, *G. Silletti*, *V. Tomaselli* (BI, FI). – Species confirmed for the flora of Puglia.

This species was mentioned for "Mte. Gargano Manfredonia" (Puglia) by Baum (1977; see also Licht 2018), but reported as doubtfully occurring by Bartolucci et al. (2018). We confirm the presence of this species in a different locality within the province of Bari.

G. Silletti, V. Tomaselli

***Biarum tenuifolium* (L.) Schott subsp. *tenuifolium* (Araceae)**

+ C **MAR**: Camerino (Macerata), via Pontoni 5 (WGS84: 43.136972N; 13.071119E), garden of the School of Biosciences and Veterinary Medicine, 623 m, 11 September 2019, *S. Ballelli*, *R. Pennesi* (FI). – Cryptogenic species new for the flora of Marche.

This species was found in the natural grassland environment of a small academic garden. This finding would represent, if the native status will be confirmed, the new northern limit in Italy.

S. Ballelli, R. Pennesi

***Bromopsis stenophylla* (Link) LazzerI (Poaceae)**

+ **LIG**: Framura (La Spezia), western slope of M. di S. Agata (WGS84: 44.22375N; 9.57397E), thermophilous shrubs and meadows, 345 m, 12 May 2018, *Barberis G.*, *Cibei C. Dagnino D. Di Turi A.*, *Longo D.*, *Marchetti D.*, *Mariotti M.G.*, *Menozzi B.I.*, *Peccenini S.*, *Turcato C.* (FI; GE No. 646); Savignone (Genova), eastern slope of M. Moro (WGS84: 44.57264N; 9.00778E), shrubs and meadows along the trail, 830 m, 27 July 2019, *Dagnino D.* (FI; GE No. 796); Savignone (Genova), southwestern slope of M. Brughea, between Castello Nero and Castello Rosso (WGS84: 44.56772N; 8.99264E), xerophytic grasslands and garigues, 597 m, 3 August 2019, *Barberis G.*, *Briozzo I.*, *Dagnino D.*, *Leone M.*, *Longo D.* (FI; GE No. 753). – Species new for the flora of Liguria.

Bromopsis stenophylla was found in shrubby-herbaceous xerophytic and thermophilous plant communities, under sub-Mediterranean and sub-continental climates. This species occurs in two Special Areas of Conservation: "IT1343415 Guaitarola" (GE 646) and "IT1330213 Conglomerato di Vobbia". The fragmented distribution in Italy and the recent findings (Lazzeri 2014) suggest that the distribution of this taxon is incompletely known, mainly because of confusions with closely related taxa.

D. Dagnino, D. Longo, E. Banfi, G. Barberis

***Camphorosma monspeliaca* L. subsp. *monspeliaca* (Chenopodiaceae)**

+ **LIG**: Pietra Ligure (Savona), Rocca delle Fene, presso la vetta (WGS84: 44.154034N; 8.275008E), margine di lecceta, 185 m, S, 12 August 2017, *G. Galasso* (MSNM); *ibidem*, 16 August 2018, *G. Galasso*, det. *G. Galasso*, *E. Banfi* (FI, MSNM). – Subspecies confirmed for the flora of Liguria.

Camphorosma monspeliaca was mentioned for Liguria by Penzig (1897) and Gismondi (1949). However, in the past, Liguria included also the Nice area (now Provence, France), from which all the previous reports originated (Bertoloni 1833). Consequently, Bartolucci et al. (2018) believed that the indication for the current Liguria administrative region was a mistake. Instead, the species certainly occurs in this region, on clayey soils along the sloping coastal strip of the western part (e.g., Borghetto Santo Spirito, Pietra Ligure, Finale Ligure).

G. Galasso, E. Banfi

***Centranthus calcitrapae* (L.) Dufr. subsp. *calcitrapae* (Valerianaceae)**

+ (CAS) **LOM**: Milano (Milano), Stazione Milano-Lambrate, binari e massicciata ferroviaria sul lato orientale (WGS84: tra 45.485009N; 9.237874E e 45.482575N; 9.238616E), binari ferroviari, 124 m, no exp., 21 May 2018, *G. Galasso*, det. *G. Galasso*, *E. Banfi* (FI, MSNM). – Casual regional alien subspecies new for the flora of Lombardia.

G. Galasso, E. Banfi, R. Gentili, C. Toffolo

***Cirsium vulgare* (Savi) Ten. subsp. *silvaticum* (Tausch) Arènes (Asteraceae)**

+ **LIG**: Serra Riccò (Genova), tra Crocetta d'Orero e Costa Fontana (WGS84: 44.518017N; 8.983647E), scarpata erbosa a bordo strada, 470 m, 13 October 2019, *G. Barberis*, *D. Dagnino*, *D. Longo*, *S. Peccenini* (FI, GE No. 1478); Torriglia (Genova), sopra Garaventa (WGS84: 44.539264; 9.177251), margine prato da sfalcio, 923 m, 4 October 2019, *S. Macciò* (GE No. 1501); Torriglia (Genova), sopra Bavastrelli (WGS84: 44.559594; 9.175368), prato-pascolo, 950 m, 4 October 2019, *S. Macciò* (GE No. 1502). – Subspecies new for the flora of Liguria.

This taxon grows in different types of herbaceous plant communities (i.e., edge of grasslands, meadows, and ruderal grassy banks along roadsides).

D. Dagnino, G. Barberis, D. Longo

***Cirsium vulgare* (Savi) Ten. subsp. *vulgare* (Asteraceae)**

+ **LIG**: Savignone (Genova), IT1330213 "Conglomerato di Vobbia" M. Pianetto, pendici W (WGS84: 44.57487N; 8.97936E), castagneto ceduo, 634 m, 3 August 2019, *G. Barberis*, *I. Briozzo*, *D. Dagnino*, *M. Leone*, *D. Longo* (FI, GE No. 1132). – Subspecies new for the flora of Liguria.

This taxon was found at the edge of a dirt road crossing a chestnut coppice forest within a Special Area of Conservation "IT1330213 - Conglomerato di Vobbia".

D. Dagnino, I. Briozzo, G. Barberis, D. Longo

***Crepis bursifolia* L. (Asteraceae)**

+ **MAR**: Campofilone (Fermo), in the flower beds of the Q8 petrol station along the A14 highway (WGS84: 43.075479N; 13.844311E), 37 m, no exp., 18 July 2014, *S. Ballelli* (CAME); Fermo, in the meadows of the Athletics Sports Center (WGS84: 43.168261N; 13.737924E), 160 m, sandstone substrate, no exp., 09 June 2019, *S. Ballelli* (CAME, FI); Camerino (Macerata), Viale G. Leopardi 19, in a flowerbed along the sidewalk (WGS84: 43.136993N; 13.071453E), 618 m, no exp., 17 June 2019, *S. Ballelli*, *R. Pennesi* (CAME); Fermo, Via Bore di Tenna 53, uncultivated fields (WGS84: 43.173320N; 13.704779E), 252 m, no exp., 02 July 2019, *A. Crisanti* (CAME); Castelraimondo (Macerata), Via Papa Giovanni XIII, in the pavement of the church (WGS84: 43.206735N; 13.055021E), 313 m, no exp., 08 August 2019, *S. Ballelli* (CAME). – Species new for the flora of Marche.

S. Ballelli, R. Pennesi, A. Crisanti

***Delphinium pubescens* DC. (Ranunculaceae)**

+ **CAM**: Castellammare di Stabia (Napoli), località Botteghelle (WGS84: 40.689858N; 14.480595E), fessure della pavimentazione, 84 m, 28 June 2014, *A. Stinca* (FI). – Species new for the flora of Campania.

A. Stinca, G. Chianese, A. Esposito

***Galium mollugo* L. (Rubiaceae)**

+ **BAS**: Carbone (Potenza), Bosco Vaccarizzo (WGS84: 40.126850N; 16.051211E), lungo la strada sterrata che attraversa il bosco, 957 m s.l.m., 04 July 2019, *N.G. Passalacqua*, *L. Bernardo* (FI, CLU). – Species new for the flora of Basilicata.
+ **CAL**: Laino Borgo (Cosenza), Azienda Agrituristica "Al Verneto", sentiero ad ovest dell'abitazione, sotto c.le Maurianni (WGS84: 39.942302N; 15.929936E), cespuglieti e radure con roccia affiorante, ca. 660 m s.l.m., 17 June 2005, *L. Bernardo*, *R. Odoguardi* (FI). – Species confirmed for the flora of Calabria.

N.G. Passalacqua, L. Bernardo

***Gelasia villosa* (Scop.) Cass. subsp. *columnae* (Guss.) Bartolucci, Galasso & F.Conti (Asteraceae)**

+ **MOL**: Colletorto (Campobasso), Valle del Fortore, Vallone S. Maria, Masseria Bernardo (WGS84: 41.668330N; 15.015833E), 259 m, 20 April 1995, leg. *F. Lucchese*, det. *F. Conti*, *F. Lucchese*, *F. Bartolucci* (URT); Guardialfiera (Campobasso), Valle del Biferno, M. Peloso (WGS84: 41.819440N; 14.826388E), 410 m, 4 May 1992, leg. *F. Lucchese*, det. *F. Conti*, *F. Lucchese*, *F. Bartolucci* (URT). – Subspecies new for the flora of Molise.

F. Conti, F. Lucchese, F. Bartolucci

***Gelasia villosa* (Scop.) Cass. subsp. *villosa* (Asteraceae)**

– **MOL**. – Subspecies to be excluded from the flora of Molise.

This taxon was reported as occurring in Molise by Lucchese (1995), Fanelli et al. (2001), and Bartolucci et al. (2018). An accurate revision of specimens preserved in URT (Università di Roma Tre) collected by F. Lucchese, led us to attribute them to *S. villosa* Scop. subsp. *columnae* (Guss.) Nyman. The nomenclature follows Bartolucci et al. (2020).

F. Conti, F. Lucchese, F. Bartolucci

***Genista monspessulana* (L.) L.A.S.Johnson (Fabaceae)**

+ **BAS**: San Severino Lucano (Potenza), Bosco Magnano (WGS84: 40.04223N, 16.11472E), margine di cerreta termofila, 737 m s.l.m., esp. Sud, 5 June 2019, *A. Scoppola* (FI, UTV No. 38283). – Species new for the flora of Basilicata.

In Bosco Magnano, *Genista monspessulana* was found on a trail along the border of oak forest; this population fills a distribution gap along the southern Tyrrhenian coast.

M. Pellegrino, A. Scoppola

***Hieracium pseudolaggeri* (Zahn) Prain (Asteraceae)**

+ **ITALIA** (VDA): Brusson (Aosta), sentiero per Raccard, in destra orografica del torrente Messuère (WGS84: 45.761527N, 7.740618E ± 50 m), 1485 m s.l.m., pineta di Pino silvestre, 19 June 2019, leg. *M. Bovio*, *M. Broglio* et *G. Jacquemet*, det. *G. Gottschlich* (FI, AO, *Herb. Gottschlich*). – Species new for the flora of Italia (Valle d'Aosta).

Hieracium pseudolaggeri was hitherto only known from the Valais in Switzerland (Gottschlich 2007).

G. Gottschlich, M. Bovio

***Hypericum hirsutum* L. (Hypericaceae)**

+ **CAL**: Oriolo (Cosenza), in loc. Scifi lungo la SP154, a ESE della chiesa della Madonna della Neve (WGS84: 39.972495N; 16.442806E), margine di bosco mesofilo,

820 m s.l.m., 11 August 2019, *F. Roma-Marzio*, *P. Liguori* (FI). – Species confirmed for the flora of Calabria.

Hypericum hirsutum was reported in Calabria as doubtfully occurring (Bartolucci et al. 2018) based on several records in the so-called area of Alto Ionio Cosentino, published by Vita and D'Errico (1981) and Vita (1989). We confirm the presence of this species in one of these localities.

F. Roma-Marzio

***Jacobaea erucifolia* (L.) G.Gaertn., B.Mey. & Scherb. subsp. *erucifolia* (Asteraceae)**

+ **LIG**: Crocefieschi (Genova), "IT1330213 – Conglomerato di Vobbia", Monte Castello (WGS84: 44.58979N; 9.02079E), bosco misto di latifoglie, 935 m, 7 September 2019, *A. Baroni*, *F. Baroni*, *D. Dagnino*, *G. Gatto*, *D. Longo* (FI). – Subspecies new for the flora of Liguria.

This taxon was found in a mixed deciduous broadleaf forest in a mountain area, within the Special Area of Conservation "IT1330213 – Conglomerato di Vobbia".

D. Dagnino, C. Cibei

***Leontodon hispidus* L. subsp. *hyoseroides* (Welw. ex Rchb.) Murr (Asteraceae)**

+ **TOS**: Seravezza (Lucca), Alpi Apuane, M. Pelato, sopra le Gobbie, lungo la via delle cave (WGS84: 44.062371N; 10.231210E), pendii rupestri su marmo, 1110 m, 28 June 2016, *F. Conti*, *F. Bartolucci*, *D. Marchetti* (FI, APP Nos. 62876, 62877); Seravezza (Lucca), Alpi Apuane, sopra le Gobbie, nel versante settentrionale del M. Altissimo (WGS84: 44.058955N; 10.23097E), su terra e detriti di marmo, 1130 m, 23 August 2006, *D. Marchetti* (APP No. 34144); Stazzema (Lucca), Alpi Apuane, fra Tre Fiumi e Isola Santa, sopra la Turrite Secca (WGS84: 44.061741N; 10.284954E), su marmo, 705 m, 7 September 1997, *D. Marchetti* (APP No. 50323). – Species confirmed for the flora of Toscana.

We confirm the presence of this taxon in the Alpi Apuane, where it was recorded in the past by Fiori (1927). We also observed it in other localities, such as Foce di Pianza, above Carrara (Massa-Carrara); summit ridge of Mt. Pelato, in the group of Mt. Altissimo (Massa-Carrara, Lucca); close to le Gobbie, up to the Passo del Vestito, in the group of Mt. Altissimo (Lucca). As stated by Zidorn (2012), both glabrous and hairy plants sometimes co-occur in some populations.

F. Conti, F. Bartolucci, D. Marchetti

***Najas minor* All. (Hydrocharitaceae)**

+ **SAR**: Viddalba (Sassari), Fiume Coghinas (WGS84: 40.919625N; 8.869938E), 3 m, 22 July 2019, leg. *G. Orrù*, *R. Angius*, *M. Copez*, *S. Fanni*, *M.C. Locci*, *M.L. Pala* et *G. Pirastru*, det. *G. Orrù* et *R. Angius* (FI). – Species new for the flora of Sardegna.

G. Orrù, R. Angius, M. Copez, S. Fanni, M.C. Locci, M.L. Pala, G. Pirastru

***Osyris alba* L. (Santalaceae)**

+ **PIE**: Alto (Cuneo), sotto Strada provinciale 216, boscaglia a roverella (WGS84: 44.110359N; 7.994390E), ca. 720 m, 12 January 2020, *D. Barberis*, *S. Ravetto Enri*, *M. Lonati* (FI). – Species new for the flora of Piemonte.

Osyris alba is an euri-mediterranean species, previously known in NW Italy only for Liguria (Bartolucci et al. 2018). This species is widespread on the south-facing slopes of the Pennavaire valley over an area of about 0.2 km^2.

D. Barberis, S. Ravetto Enri, M. Lonati

***Persicaria lapathifolia* (L.) Delarbre subsp. *lapathifolia* (Polygonaceae)**

+ **LIG**: Carrodano (La Spezia), "IT1343502 Parco della Magra – Vara", Fiume Vara a NW di Ca' di Vara (WGS84: 44.250635N; 9.680426E), greto, 132 m, 23 August 2019, *C. Turcato*, *D. Dagnino* (FI, GE No. 909). – Subspecies new for the flora of Liguria.

D. Dagnino, C. Turcato

***Pinus halepensis* Mill. subsp. *halepensis* (Pinaceae)**

+ **SAR**. – Status change from naturalized to native for the flora of Sardegna.

The first mention of *Pinus halepensis* in Sardegna dates back to the explorer Agostino Tagliafico, in 1736 (Arrigoni 1967). Later, Moris (1827) reported the presence of this species, followed by Angius (1851). More recently, Arrigoni (1967) reviewed several historical records supporting the hypothesis of a natural presence of this species in Sardegna. Many other authors considered this taxon native to Sardegna (Arrigoni 2006; Bacchetta 2006; Camarda and Valsecchi 2008), also supported by Pleistocenic fossil pine pollen records (Del Rio and Pittau 1974; Buosi et al. 2016), and by archaeobotanical studies on several Neolithic to Bronze Age (6000–1200 BCE) settlements (Pittau et al. 2012; De Rita and Melis 2013; Buosi et al. 2015; Melis et al. 2017; Pittau et al. 2018). Given this evidence, we support the status change from introduced to native species in Sardegna.

G. Calvia, G. Bacchetta, G. Bonari

***Plantago argentea* Chaix subsp. *liburnica* Ravnik (Plantaginaceae)**

+ **TOS**: Massa (Massa-Carrara), "Parco delle Alpi Apuane", Cava di Valsora, Pendici NW di Monte Pelato, presso Passo del Vestito (WGS84: 44.06619N; 10.221078E), gariga, 898 m, 4 June 2019, *C. Turcato* (FI, GE No. 923). – Subspecies new for the flora of Toscana.

D. Dagnino, C. Turcato

***Poa palustris* L. subsp. *palustris* (Poaceae)**

+ **PUG**: Altamura (Bari), loc. San Giuseppe (WGS84: 40.926022N; 16.440731E), flooded soils along the edges of a pond, 503 m, 17 May 2019, *G. Silletti*, *V. Tomaselli* (BI, FI). – Species confirmed for the flora of Puglia.

This taxon was recorded for "Bosco Isola" (Lesina, Foggia) by Forte et al. (2002), but then as doubtfully occurring by Bartolucci et al. (2018). The presence of a specimen in the BI Herbarium [Lesina (Foggia), 5 May 1999, leg. *F. Pantaleo*, det. *F. Pantaleo*, *L. Forte* (BI No. 31492)], along with this new finding near Altamura, confirm the presence of this taxon in Puglia.

G. Silletti, V. Tomaselli, L. Forte

***Polygonum bellardii* All. (Polygonaceae)**

+ **LIG**: Serra Riccò (Genova), tra Crocetta d'Orero e Costa Fontana (WGS84: 44.518017N; 8.983647E), scarpata erbosa a bordo strada, 470 m, 13 October 2019, *G. Barberis*, *D. Dagnino*, *D. Longo*, *S. Peccenini* (GE No. 1480). – Species confirmed for the flora of Liguria.

In Liguria, this species was no longer recorded, despite several historical reports (Bertoloni 1839–41; De Notaris 1844; Raffaelli 1979). The lack of recent records is probably because of confusion with similar common species belonging to the *P. aviculare* L. group.

D. Dagnino, G. Barberis, D. Longo

***Potamogeton nodosus* Poir. (Potamogetonaceae)**

+ **LIG**: Sarzana (La Spezia), "IT 1345101 Piana del Magra", Bozi di Saudino (WGS84: 44.09816N; 9.96347E), lago eutrofico artificiale, 4 m, 1 April 2019, *I. Briozzo*, *D. Dagnino*, *C. Turcato* (GE No. 972). – Species confirmed for the flora of Liguria.

In Liguria, this species was no longer recorded, despite a historical report, i.e., Ottone Penzig's handwritten notes found on a copy of De Notaris (1844) stored in the library of the University of Genoa. We found *P. nodosus* inside an artificial lake (Habitat of Community Interest code 3150 "Natural euthrophic lakes with Magnopotamion or Hydrocharition-type vegetation") within a Special Area of Conservation (IT 1345101 Piana del Magra).

D. Dagnino, L. Minuto, C. Turcato

***Potamogeton perfoliatus* L. (Potamogetonaceae)**

+ **SAR**: Viddalba (Sassari), Fiume Coghinas (WGS84: 40.919942N; 8.870379E), 3 m, 22 July 2019, leg. *G. Orrù*, *R. Angius*, *M. Copez*, *S. Fanni*, *M.C. Locci*, *M.L. Pala*, *G. Pirastru*, det. *G. Orrù et R. Angius* (FI). – Species new for the flora of Sardegna.

G. Orrù, R. Angius, M. Copez, S. Fanni, M.C. Locci, M.L. Pala, G. Pirastru

***Rosa nitidula* Besser (Rosaceae)**

+ **CAL**: Oriolo (Cosenza), C.da Serra Salice verso Timpa Caporosso (WGS84 40.049099N; 16.424548E), boscaglia mesofila, 700 m, 17 August 2019, *F. Roma-Marzio & P. Liguori* (FI). – Species new for the flora of Calabria.

Rosa nititula belongs to the *R. canina* L. group (Klastersky 1968). In the past, several authors considered this rose as a variety of *R. canina* and in the recent checklist of the vascular flora native to Italy it is considered as a taxonomically doubtful taxon (Bartolucci et al. 2008).

F. Roma-Marzio, P. Liguori, E. Lattanzi

***Ruppia maritima* L. (Ruppiaceae)**

+ **LIG**: Sarzana (La Spezia), "IT1343502 Parco della Magra – Vara", Loc. Pallodola (WGS84: 44.076177N; 9.977878E), estuario, 0 m, 30 August 2019, *C. Turcato*, *D. Dagnino* (GE No. 825). – Species confirmed for the flora of Liguria.

In Liguria, this species was no longer recorded, despite a historical report, i.e., Ottone Penzig's handwritten notes found on a copy of De Notaris (1844) stored in the library of the University of Genoa. *Ruppia maritima* was found in the estuary of the Magra river (Habitat of Community Interest code 1130 "Estuaries"), inside the Special Area of Conservation "IT1343502 Parco della Magra – Vara". An old specimen (dated 1856) in GDOR Herbarium attests the long-term occurrence of this species in La Spezia area.

D. Dagnino, M.G. Mariotti, C. Turcato

***Salvia nemorosa* L. (Lamiaceae)**

+ (CAS) **VEN**: Tregnago (Verona), al bivio con la strada per il paese di Centro (WGS84: 45.51917525N; 11.14306809E), ai bordi di un prato falciato, 520 m slm, 27 June 2019, *F. Menini*, *M. Trenchi* (FI, VER). – Casual regional alien species new for the flora of Veneto.

This species was first collected in Veneto by M. Trenchi and F. Festi in 2012 in a fertilized grassland at Morini di Marcenigo, Tregnago, Verona (ROV). New surveys in 2016 and 2017 by F. Menini and M. Trenchi confirm the constant presence of *Salvia nemorosa* in different localities of the same municipality.

S. Andreatta, F. Menini, M. Trenchi

***Seseli tortuosum* L. subsp. *tortuosum* (Apiaceae)**

+ (CAS) **VEN**: Ca Nova S. Lucia (Verona), lungo la tangenziale tra interporto e casello Verona nord (WGS84: 45.42051091N; 10.91500121E), una ventina di esemplari in fiore e frutto in due nuclei distanti circa un centinaio di metri nell'incolto erboso lungo la strada, 76 m, no esp., 25 October 2019, *A. Bertolli*, *F. Prosser* (FI, ROV No. 74206, VER). – Casual regional alien species new for the flora of Veneto.

A. Bertolli, F. Prosser

***Staphylea pinnata* L. (Staphyleaceae)**

+ **UMB**: Scheggia e Pascelupo (Perugia), Monte Cucco, presso l'Eremo di San Girolamo (WGS84 43.392318N; 12.744308E), orno-ostrieto ceduo su versante con

esposizione NE, substrato carbonatico, presenza di rocciosità e pietrosità, 682 m s.l.m., 28 September 2019, *A. Di Filippo* (UTV No. 38197). – Species confirmed for the flora of Umbria.

Staphylea pinnata is reported as "doubtfully occurring" in Umbria (Bartolucci et al. 2018). This species was found on the western slope of the Apennines dividing Umbria and Marche on ravines at 600 m a.s.l. near Sigillo within the province of Perugia (Biondi et al. 2002).

A. Di Filippo, G. Russo, A. Scoppola

***Trigonella wojciechowskii* Coulot & Rabaute (Fabaceae)**

+ (CAS) **LOM**: Milano (Milano), deposito ferroviario di Milano-San Rocco (c/o Stazione di Milano-Porta Garibaldi), binari abbandonati e massicciata ferroviaria all'estremo sudorientale (WGS84: tra 45.491230N; 9.172140E e 45.490830N; 9.174037E), binari abbandonati e massicciata ferroviaria, 125 m, no exp., 31 May 2018, *G. Galasso*, det. *G. Galasso*, *E. Banfi* (FI, MSNM). – Casual regional alien species new for the flora of Lombardia.

Previous reports by Rota (1853) for Sarnico (Province of Bergamo), followed by others, including those of Pignatti (1982) and Pignatti et al. (2017), are erroneous (Bartolucci et al. 2018) and should be referred to *Trigonella sulcata* (Desf.) Coulot & Rabaute (Martini et al. 2012).

G. Galasso, E. Banfi, R. Gentili, C. Toffolo

***Zannichellia peltata* Bertol. (Potamogetonaceae)**

+ **TOS**: Montebonello (Pontassieve), vicino alla sponda destra del fiume Sieve, in prossimità del ponte, (WGS84: 43.830270N; 11.486550E), 110 m s.l.m., 31 July 2019, *L. Pinzani* (FI). – Species new for the flora of Toscana.

L. Pinzani

Nomenclatural novelties

***Galatella tripolium* (L.) Galasso, Bartolucci & Ardenghi, comb. nov.**
urn:lsid:ipni.org:names:77209610-1

≡ *Aster tripolium* L., Sp. Pl. 2: 872(–873). 1753 [1 May 1753]
≡ *Tripolium pannonicum* (Jacq.) Dobrocz. subsp. *tripolium* (L.) Greuter, Willdenowia 33(1): 47. 2003 [29 August 2003]
≡ *Galatella pannonica* (Jacq.) Galasso, Bartolucci & Ardenghi subsp. *tripolium* (L.) Galasso, Bartolucci & Ardenghi, Ital. Botanist 3: 34. 2017 [5 May 2017]

Galatella tripolium **(L.) Galasso, Bartolucci & Ardenghi subsp.** ***pannonica*** **(Jacq.) Galasso, Bartolucci & Ardenghi, comb. nov.**
urn:lsid:ipni.org:names:77209611-1

≡ *Aster pannonicus* Jacq., Hort. Bot. Vindob. 1(1): 3 (pl. 8). 1770
≡ *Tripolium vulgare* Nees var. *pannonicum* (Jacq.) Schur, Enum. Pl. Transsilv.: 304. 1866 [April–June 1866]
≡ *Tripolium pannonicum* (Jacq.) Dobrocz., Fl. URSR 11: 63. 1962
≡ *Galatella pannonica* (Jacq.) Galasso, Bartolucci & Ardenghi, Ital. Botanist 3: 34. 2017 [5 May 2017]

When transferred to *Tripolium* Nees, *Aster tripolium* L. [1753] is unavailable because the use of the Linnaean epithet in *Tripolium* would result in a tautonym (Art. 23.4 of the ICN; Turland et al. 2018), but the epithet *tripolium* becomes again available in the genus *Galatella* Cass. Unfortunately, Galasso et al. in Bartolucci et al. (2017) forgot to consider this point, so that the combinations are corrected here.

G. Galasso, F. Bartolucci, N.M.G. Ardenghi

Nomenclatural and distribution updates from other literature sources, and corrigenda

Nomenclatural and distribution updates, and corrigenda to Bartolucci et al. (2018) are provided in Suppl. material 1.

F. Bartolucci, G. Galasso

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Supplementary material 1

Supplementary data

Authors: Fabrizio Bartolucci, Gabriele Galasso

Data type: species data

Explanation note: 1. Nomenclatural updates. 2. Distribution updates. 3. Synonyms, misapplied or included names. 4. Notes to Notulae to the Italian native vascular flora: 8 (Bartolucci et al. 2019).

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